

FSCC4550A-250-1400

Coaxial Circulator, 250-1400 MHz, 300W

Features:

- Excellent Temperature Stability
- Compact Size
- High Power Handling
- RoHS Compliant

Applications:

- RF Power Amplifiers and PA Protection
- Shared Antenna Systems
- Wireless Communications
- Satellite Communications

Electrical Specifications					
1	Nominal Impedance	50 Ω			
2	Frequency Bandwidth	Up to 40%			
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Power (W Max.)
4	250-300	0.60	20.0	1.25	300
5	280-310	0.40	23.0	1.20	300
6	285-295	0.30	23.0	1.20	300
7	289-359	0.50	19.0	1.25	300
8	290-310	0.30	23.0	1.20	300
9	292-332	0.40	20.0	1.25	300
10	300-350	0.50	20.0	1.25	300
11	300-400	0.60	18.0	1.30	300
12	300-420	0.80	16.0	1.40	300
13	320-415	0.80	18.0	1.40	300
14	345-415	0.60	20.0	1.25	300
15	350-400	0.40	20.0	1.20	300
16	350-470	0.50	19.0	1.25	300
17	360-440	0.40	20.0	1.25	300
18	360-470	0.50	20.0	1.25	300
19	375-415	0.40	20.0	1.25	300
20	380-480	0.50	18.0	1.30	300
21	400-430	0.25	25.0	1.15	300
22	400-500	0.50	20.0	1.25	300
23	400-520	0.50	18.0	1.30	300
24	400-550	0.60	18.0	1.30	300
25	400-600	0.90	14.0	1.60	300
26	412-512	0.50	20.0	1.25	300
27	440-470	0.25	25.0	1.15	300
28	450-600	0.50	18.0	1.30	300
29	460-605	0.50	18.0	1.30	300
30	470-520	0.40	20.0	1.25	300
31	470-610	0.50	18.0	1.30	300
32	470-650	0.60	18.0	1.30	300

33	500-700	0.60	17.0	1.35	300
34	520-570	0.30	23.0	1.20	300
35	570-610	0.30	23.0	1.20	300
36	600-900	0.80	15.0	1.50	300
37	610-960	0.80	17.0	1.50	300
38	620-862	0.50	20.0	1.25	300
39	690-1000	0.60	18.0	1.30	300
40	698-960	0.50	20.0	1.25	300
41	700-1000	0.60	20.0	1.25	300
42	760-1010	0.50	20.0	1.25	300
43	800-900	0.30	23.0	1.20	300
44	800-1000	0.40	20.0	1.25	300
45	800-1200	0.60	16.0	1.40	300
46	806-960	0.30	23.0	1.20	300
47	850-1000	0.40	23.0	1.20	300
48	850-1150	0.40	20.0	1.25	300
49	1010-1110	0.30	23.0	1.20	300
50	1200-1300	0.30	23.0	1.20	300
51	1200-1400	0.30	20.0	1.20	300

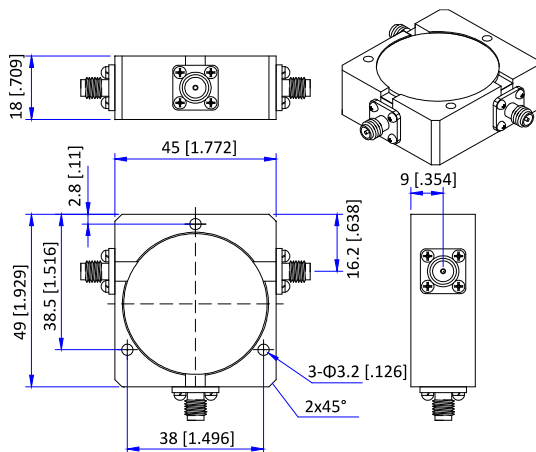
Environmental Specifications

1	Operating Temperature	-30°C ~ +70°C
2	Storage Temperature	-50°C ~ +90°C

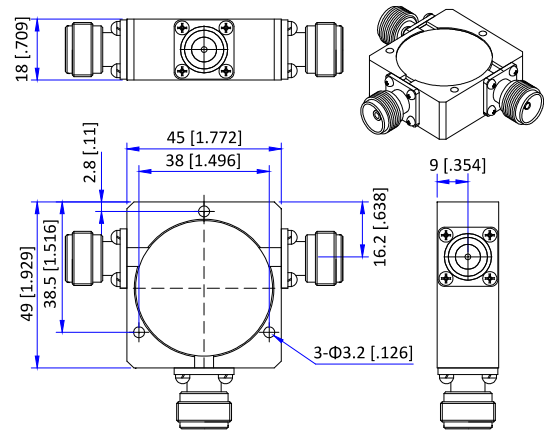
Mechanical Specifications

1	Connectors ²	N-Female; SMA-Female
2	Housing Material	Nickel-Plated Iron
3	Inner Conductor	Silver-Plated Brass
4	Connector Body	SMA: Gold-Plated Brass; N: Nickel-Plated Brass
5	Dimensions ³	45.0x49.0x18.0 mm [1.77x1.93x0.71 in]
6	Weight	Approx. 290 g

Outline Drawing (Units: mm [in]; Tolerance: ± 0.3 mm [± 0.01 in])



Outline A: SMA Connector



Outline B: N-Type Connector

Ordering Information:

Model: FSCC4550A-FF-FF-CC-[Options]

FF = Frequency Range in MHz

CC = Connector Type (S=SMA, N=N-Type)

Options: R= Counterclockwise Circulation (Default: Clockwise Circulation)

Example: 250-300 MHz, SMA, clockwise→**FSCC4550A-250-300-S**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. Female connector is standard; male connector is available upon request.
3. Dimensions do not include connectors.